

**Supplemental Amendment And
Submission Of Declaration Under Rule 132**
Appln No.: 09/042,666

~~Sub 33~~
33. An optical wavelength conversion waveguide device, comprising:
an input end for receiving an optical signal at a first wavelength;
an optical parametric generator portion for parametrically generating an optical output at a
second wavelength differing from said first wavelength,
at least said optical parametric generator portion being comprised of a nonlinear medium.

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34. An optical wavelength conversion waveguide device as claimed in claim 33, further
including a mode converter for coupling said optical signal into said input end.

~~Cont.~~
~~Sub 35~~
35. An optical wavelength conversion waveguide device as claimed in claim 34, wherein said
mode converter comprises a second harmonic generator.

36. An optical wavelength conversion waveguide device as claimed in claim 33, wherein the
waveguide device lowers the OPG threshold by at least one order of magnitude as compared to a
non-waveguide-form bulk device.